Notice of Allowability 10/521.022 Examiner Art Unit Exami		Application No.	Applicant(s)	
Reaminer Art Unit		10/521 022	KANG ET AI	
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address—All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not include herewith (or previously malled), a Notice of Allowance (PTOL-85) or other appropriate communication will be malled in due course. THIS NOTICE OF ALLOWABILITY IS NOTA GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1:313 and MPEP 1308. 1. ☑ This communication is responsive to August 2. 2007. 2. ☑ The allowed claim(s) Is/are 1-4. 3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* ○ ☐ None of the: 1. ☑ Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not received:	Notice of Allowability			
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Art Unit: 1623

REASONS FOR ALLOWANCE

The closest prior art, Xu et al (Document #AM in the IDS of March 31, 2006) teaches the preparation of 2-deoxy-L-ribose from D-ribose via the ring opening of 5-trityl protected D-ribose with sodium borohydride reduction to give the open chain structure 4. Structure 4 is then converted to L-ribose using a series of steps involving deprotection of the trityl group and oxidation of the 5-OH group followed by base catalyzed ring closure (Scheme 1). The L-ribose so obtained is finally converted to the deoxy sugar by a reductive rearrangement (Scheme 3). The process as instantly claimed obtains 2-deoxy-L-ribose starting from protected 2-deoxy-D-ribose via the inversion of the stereochemistry of the hydroxyls at the 3- and 4- positions using the metal salt of an organic acid for the said inversion. This step of inversion using a metal salt of an organic acid is seen as the novelty and is not taught or suggested by the prior art of record.

EXAMINER'S AMENDMENT

The attached Abstract typed on a separate sheet replaces the first page of the WIPO document filed 1/12/2005.

Any comments considered necessary by the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Any inquiry concerning this communication should be directed to Shaojia A. Jiang, Supervisory Patent Examiner of Art Unit 1623 at 571-272-0627.